

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(probe and ethanol and flat and membrane and sensor and concentration and surface and measuring and space).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:23
L2	1	(probe and flat and membrane and layers and porous and carrier and layer and inner).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:23
L3	1	(porous and carrier and layer and porous and PTFE and permeable and silicon and polymer).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:24
L4	4	(probe and device and layer and thickness and volatile and component).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:24
L5	0	(probe ad devcie and measuring and space and volume and volatile).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:25
L6	0	(probe and devcie and measuring and space and volume and volatile).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:25
L7	0	(probe and devcie and measuring and space and volume).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:25
L8	40	(probe and device and measuring and space and volume).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:25
L9	4	(probe and device and measuring and space and volume and volatile).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:25
L10	1	(probe and device and measuring and space and volume and volatile and component).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:25
L11	1	(probe and device and measuring and aperture and area and length and orthogonal and range and volatile and component).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:26
L12	2	(probe and device and body and three and element and coaxially and arranged).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:26
L13	1	(probe and device and body and three and element and coaxially and insertable and seal and arranged).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:27
L14	1	(probe and device and body and three and element and coaxially and insertable and seal and cylindrical).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:27
L15	11	(probe and device and body and three and element and ring).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:27

L16	2	(probe and device and body and three and element and ring and coaxially).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:28
L17	2	(probe and device and body and three and element and ring and inner and wall).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:28
L18	2	(probe and device and body and three and element and ring and inner and wall and mounted).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:28
L19	2	(probe and device and body and three and element and ring and inner and wall and mounted and radially).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:29
L20	1	(probe and device and body and three and element and ring and inner and wall and mounted and radially and channel and four).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:29
L21	1	(probe and device and body and three and element and ring and inner and wall and mounted and radially and porous and layer).clm.	US-PGPUB	ADJ	ON	2008/10/07 15:29
S1	9	kempe eberhard.in.	US-PGPUB; USPAT	ADJ	ON	2008/01/18 13:32
S2	4612	measur\$ NEAR12 ethanol	US-PGPUB; USPAT	ADJ	ON	2007/03/15 15:52
S3	69	(measur\$ NEAR12 ethanol) SAME probe	US-PGPUB; USPAT	ADJ	ON	2007/03/16 15:38
S4	160	442/58.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/03/16 15:11
S5	2563	(422/58).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/16 15:18
S6	1	"4404284".pn.	US-PGPUB; USPAT	ADJ	ON	2007/03/16 15:18
S7	66023	measur\$ AND ethanol AND probe	US-PGPUB; USPAT	ADJ	ON	2007/03/16 15:25
S8	48406	measur\$ AND ethanol AND probe AND aqueous AND solution	US-PGPUB; USPAT	ADJ	ON	2007/03/16 15:26
S9	31863	measur\$ AND ethanol AND probe AND (aqueous solution)	US-PGPUB; USPAT	ADJ	ON	2007/03/16 15:26
S10	73	(measur\$ AND ethanol AND probe) SAME (aqueous solution)	US-PGPUB; USPAT	ADJ	ON	2007/03/16 15:31
S11	5	(measur\$ NEAR20 ethanol AND probe) SAME (aqueous solution)	US-PGPUB; USPAT	ADJ	ON	2007/03/16 15:35
S12	24594	measur\$ SAME ethanol	US-PGPUB; USPAT	ADJ	ON	2007/03/16 15:35
S13	593	measur\$ SAME (ethanol concentration)	US-PGPUB; USPAT	ADJ	ON	2007/03/16 15:36
S14	44	(measur\$ NEAR12 ethanol) SAME probe and @py<="2004"	US-PGPUB; USPAT	ADJ	ON	2007/03/16 15:39
S15	6	(measur\$ NEAR20 ethanol AND probe)	DERWENT	ADJ	ON	2007/03/22 12:50

S16	1	membrand AND PTFE	US-PGPUB; USPAT	ADJ	ON	2007/03/28 10:54
S17	14455	membrane AND PTFE	US-PGPUB; USPAT	ADJ	ON	2007/03/28 10:54
S18	3042	membrane AND PTFE AND probe	US-PGPUB; USPAT	ADJ	ON	2007/03/28 10:54
S19	693	membrane WITH PTFE AND probe	US-PGPUB; USPAT	ADJ	ON	2007/03/28 10:55
S20	287	membrane WITH (porous AND PTFE) AND probe	US-PGPUB; USPAT	ADJ	ON	2007/03/28 10:55
S21	139	membrane WITH (porous WITH PTFE) AND probe	US-PGPUB; USPAT	ADJ	ON	2007/03/28 10:55
S22	1	membrane AND (porous WITH PTFE) NEAR21 volatile AND probe	US-PGPUB; USPAT	ADJ	ON	2007/03/28 10:56
S23	2	membrane AND (porous WITH PTFE) SAME volatile AND probe	US-PGPUB; USPAT	ADJ	ON	2007/03/28 10:56
S24	5	(measur\$ NEAR20 ethanol AND probe) SAME (aqueous solution)	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:07
S25	1	S24 AND (second measuring space)	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:08
S26	1	S24 AND (measuring space)	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:08
S27	1	ethanol AND probe AND (second measuring space)	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:09
S28	72651	ethanol AND probe AND two	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:09
S29	22979	ethanol AND probe AND two AND space	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:10
S30	44202	ethanol AND (probe OR device) AND two AND space	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:10
S31	41827	ethanol AND (probe OR device) AND second AND space	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:10
S32	4120	ethanol SAME (probe OR device) AND second AND space	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:10
S33	1	ethanol SAME (probe OR device) AND (second measuring space)	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:20
S34	6	(second measuring space)	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:39
S35	1	(two measuring space)	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:30
S36	39260	(second OR two) SAME measur\$ SAME space	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:31
S37	8594	(second OR two) WITH measur\$ WITH space	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:32
S38	335	(second OR two) WITH measur\$ WITH space SAME concentration	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:32
S39	335	((second OR two) WITH measur\$ WITH space) SAME concentration	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:32
S40	2	S34 SAME volume	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:36

S41	7	(second measuring (space OR aperture))	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:41
S42	8	(second measuring (space OR aperture))	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/03/29 10:47
S43	3	probe AND (second measuring (space OR aperture))	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/03/29 10:51
S44	3	(probe OR device) SAME (second measuring (space OR aperture))	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/03/29 10:53
S45	1	("5979219").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/29 10:56
S46	35012	(probe OR device) SAME measur\$ SAME concentration	US-PGPUB; USPAT	ADJ	ON	2007/03/29 10:57
S47	11017	(probe OR device) WITH measur\$ WITH concentration	US-PGPUB; USPAT	ADJ	ON	2007/03/29 11:00
S48	598	S47 SAME membrane\$	US-PGPUB; USPAT	ADJ	ON	2007/03/29 11:01
S49	55	S47 SAME (permeable membrane \$)	US-PGPUB; USPAT	ADJ	ON	2007/03/29 11:01
S50	616	(probe OR device) SAME measur\$ space	US-PGPUB; USPAT	ADJ	ON	2007/03/30 09:25
S51	35	S50 SAME volume	US-PGPUB; USPAT	ADJ	ON	2007/03/30 09:27
S52	4	S51 AND membrane\$	US-PGPUB; USPAT	ADJ	ON	2007/03/30 09:30
S53	120	porous carrier layer	US-PGPUB; USPAT	ADJ	ON	2007/03/30 09:34
S54	2	S53 AND porous PTFE	US-PGPUB; USPAT	ADJ	ON	2007/03/30 09:30
S55	1	porous carrier layer AND silicon polymer	US-PGPUB; USPAT	ADJ	ON	2007/03/30 09:40
S56	23	membrane SAME porous carrier layer	US-PGPUB; USPAT	ADJ	ON	2007/03/30 09:41
S57	1	membrane SAME porous carrier layer AND volatile component	US-PGPUB; USPAT	ADJ	ON	2007/03/30 09:42
S58	1	("5204262").PN.	US-PGPUB; USPAT	OR	OFF	2008/01/18 13:32
S59	12	("3955929"   "4404284"   "4569826"   "4656140"   "4692414"   "4706493"   "4849180"   "4869873").PN. OR ("5204262").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/18 13:59
S60	13	"4124814"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/18 14:00
S61	2	((("4124814") or ("5389951"))).PN.	US-PGPUB; USPAT	OR	OFF	2008/01/18 14:00
S62	233	kempe.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/21 07:09

S63	11	S62 and volatile and probe	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/21 07:09
S64	72846	probe and ethanol and volume	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/21 07:09
S65	6518	probe same ethanol and volume	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/21 07:09
S66	231	S65 and aperture	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/21 07:09
S67	170	S66 and membrane	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/21 07:10
S68	23	S67 and (silicon or silicone) and (PTFE or Teflon or polytetrafluoroethylene)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/21 07:10

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